Clinical Infectious Diseases

Volume 17 • Number 1 *July 1993*

State-of-the-Art Clinical Article

1 Diskitis in Children
Alice H. Cushing

AIDS Commentary

7 *Mycobacterium avium* Complex Infection and AIDS: Advances in Theory and Practice
Constance A. Benson and Jerrold J. Ellner

Clinical Infectious Disease Articles

21 *Corynebacterium striatum*: A Diphtheroid with Pathogenic Potential
David A. Watkins, Antoine Chahine, Richard J. Creger, Michael R. Jacobs, and Hillard M. Lazarus

26 Group B Streptococcal Toxic Shock–Like Syndrome: Report of a Case and Purification of an Associated Pyrogenic Toxin
Patrick M. Schlievert, John E. Gocke, and James R. Deringer

32 Polyradiculopathy Due to Cytomegalovirus: Report of Two Cases in Which Improvement Occurred After Prolonged Therapy and Review of the Literature
Young S. Kim and Harry Hollander

38 Association of Rhinovirus Infection with Poor Bacteriologic Outcome of Bacterial-Viral Otitis Media
Bin Sheng Sung, Tasnee Chonmaitree, Lyle D. Broemeling, Mary J. Owen, Janak A. Patel, Dawn C. Hedgpeth, and Virgil M. Howie

43 Toxic Shock Syndrome Complicating Influenza A in a Child: Case Report and Review
Robert W. Tolan, Jr.

46 Sustained Bacteremia in 26 Patients with a Permanent Endocardial Pacemaker: Assessment of Wire Removal
Christophe Camus, Catherine Leport, Francois Raffi, Christian Michelet, Francois Cartier, and Jean Louis Vilde

56 Visceral Leishmaniasis in Patients with AIDS: Report of Three Cases Treated with Pentavalent Antimony and Interferon-γ
Miguel de Górgolas, José María Castrillo, and Manuel L. Fernández Guerrero

59 Symptomatic Primary Infection Due to Human Immunodeficiency Virus Type 1: Review of 31 Cases
Sabine Kinloch-de Loës, Philippe de Saussure, Jean-Hilaire Saurat, Hans Stalder, Bernard Hirschel, and Luc H. Perrin

66 Antibody to Capsular Polysaccharides of *Streptococcus pneumoniae*: Prevalence, Persistence, and Response to Revaccination
Daniel M. Musher, Jean E. Groover, Jack M. Rowland, David A. Watson, Jeffery B. Struewing, Robert E. Baughn, and Maurice A. Mufson

74 Comparison of Patients with Enterococcal Bacteremia Due to Strains with and without High-Level Resistance to Gentamicin
Chatrchai Watanakunakorn and Rajeev Patel

79 Intrapartum Transmission of Group A *Streptococcus*
Nicholas R. Panaro, Larry I. Lutwick, and Edward K. Chapnick

82 Clinical Algorithms for the Screening of Women for Gonococcal and Chlamydial Infection: Evaluation of Pregnant Women and Prostitutes in Zaire
Bea Vuylsteke, Marie Laga, Michel Alary, Marie-Madeleine Gerniers, Jean-Pierre Lebughe, Nzilambi Nzila, Frieda Behets, Eddy Van Dyck, and Peter Piot

89 Bacterial Adhesins and Host Factors: Role in the Development and Outcome of *Escherichia coli* Bacteremia
Joel N. Maslow, Maury Ellis Mulligan, Kenneth S. Adams, Janice C. Justis, and Robert D. Arbeit

Review Articles

98 Efficacy of Antimicrobial Prophylaxis in Placement of Cerebrospinal Fluid Shunts: Meta-Analysis
Joanne M. Langley, John C. LeBlanc, James Drake, and Ruth Milner

104 Role of Infection Due to *Campylobacter jejuni* in the Initiation of Guillain-Barré Syndrome
Ban Mishu and Martin J. Blaser

109 *Clostridium difficile* Infection Associated with Antineoplastic Chemotherapy: A Review
Ajay Anand and Aaron E. Glatt

Notes

114 Mixed Cutaneous Phaeohyphomycosis in a Cocaine User
Suzanne R. Lavoie, Ana Espinel-Ingroff, and Thomas Kerkering

117 Hepatitis C Virus Infection in Patients Infected with the Human Immunodeficiency Virus
Corinna M. Quan, Mel Krajden, Glynis A. Grigoriew, and Irving E. Salit

120 Emergence of Resistance to Imipenem in *Enterobacter* Isolates Masquerading as *Klebsiella pneumoniae* During Therapy with Imipenem/Cilastatin
Anton F. Ehrhardt, Christine C. Sanders, Kenneth S. Thomson, Chatrchai Watanakunakorn, and Ignacio Trujillano-Martin

123 Age-Adjusted $CD4^+$ Lymphocyte Parameters in Healthy Children at Risk for Infection with the Human Immunodeficiency Virus
Norman J. Waecker, Jr., David P. Ascher, Merlin L. Robb, Richard Moriarty, Marvin Krober, William J. Rickman, Cliff A. Butzin, Gerald W. Fischer, and the Military Pediatric HIV Consortium

Historical Article

126 Forty Years of Meningococcal Disease in Israel: 1951–1990
Colin Block, Malvina Roitman, Bianca Bogokowsky, Svetlana Meizlin, and Paul E. Slater

Correspondence

133 Cholecystitis Caused by *Campylobacter jejuni*
A. Gerritsen van der Hoop and E. M. Veringa

134 A Case of Pelvic Inflammatory Disease Associated with *Neisseria meningitidis* Bacteremia
Daniel J. Cher, William J. Maxwell, Nina Frusztajer, Mark Marin, and Lory D. Wiviott

135 Multiple-Drug-Resistant *Salmonella typhi*
A. S. Mourad, M. Metwally, A. Nour El Deen, E. J. Threlfall, B. Rowe, T. Mapes, R. Hedstrom, A. L. Bourgeois, and J. R. Murphy

136 Invasive Disease Caused by Multiple Clones of *Corynebacterium diphtheriae*
Androulla Efstratiou, Susan M. Tiley, Amaya Sangrador, Elliott Greenacre, Barry D. Cookson, Sharon C. A. Chen, Raymond Mallon, and Gwendoline L. Gilbert

137 Use of Pentoxifylline in the Treatment of Cerebral Malaria
Z. Landau and M. Attali

137 Ganciclovir for the Treatment of Cytomegalovirus Pneumonia in an Immunocompetent Host
Farrin A. Manian and Timothy Smith

139 Successful Antepartum Treatment of Listeriosis with Vancomycin plus Netilmicin
S. Bonacorsi, C. Doit, Y. Aujard, P. Blot, and E. Bingen

140 St. Louis Encephalitis in Patients with Human Immunodeficiency Virus Infection
Pablo C. Okhuysen, John K. Crane, and Janeene Pappas

142 Potential Interference of Cycloserine in Assay for Cyclosporine
Julio Arroyo

142 Fulminant Sepsis Due to Group B β-Hemolytic Streptococci Following Transcervical Chorionic Villi Sampling
Moshe Fejgin, Aliza Amiel, Hagai Kaneti, Isaac Ben-Nun, and Yoram Beyth

143 Clinical Presentation and Outcome in Cases of Listeriosis
C. Pigrau, B. Almirante, A. Pahissa, I. Gasser, and J. M. Martinez Vazquez

144 Reply
Kirsi Skogberg, Matti Jahkola, Petri Ruutu, and Ville Valtonen

145 **Preliminary 1993 IDSA Annual Meeting Program**

150 **Notices**

Instructions to Authors

Volume 17 • Supplement 1 *August 1993*

THE CHANGING ROLE OF MYCOPLASMAS IN RESPIRATORY DISEASE AND AIDS

S1 Introduction
Gail H. Cassell

Mollicutes: *Mycoplasma pneumoniae* and *Mycoplasma genitalium*

S2 Current Status of the Mollicute Flora of Humans
Joseph G. Tully

S10 Molecular Features of Mollicutes
J. M. Bové

S32 Clinical Overview of Typical *Mycoplasma pneumoniae* Infections
Wallace A. Clyde, Jr.

S37 Infections Caused by *Mycoplasma pneumoniae* and Possible Carrier State in Different Populations of Patients
Hjordis M. Foy

S47 Anemia and Mucocutaneous Lesions Due to *Mycoplasma pneumoniae* Infections
James D. Cherry

S52 CNS Manifestations Associated with *Mycoplasma pneumoniae* Infections: Summary of Cases at the University of Helsinki and Review
Marjaleena Koskiniemi

S58 Mycoplasmal Pericarditis: Evidence of Invasive Disease
Richard T. Kenney, Jennifer S. Li, Wallace A. Clyde, Jr., Thomas C. Wall, Christopher M. O'Connor, Paul T. Campbell, Peter Van Trigt, and G. Ralph Corey

S63 Carbohydrates and the Pathogenesis of *Mycoplasma pneumoniae* Infection and AIDS—Some Observations and Speculations
Ten Feizi

S66 Occurrence of *Mycoplasma genitalium* in Different Populations and Its Clinical Significance
D. Taylor-Robinson, C. B. Gilroy, and P. E. Hay

S69 Properties of Adhering and Nonadhering Populations of *Mycoplasma genitalium*
G. R. Mernaugh, S. F. Dallo, S. C. Holt, and J. B. Baseman

S79 Serological Diagnosis of *Mycoplasma pneumoniae* Infections: A Critical Review of Current Procedures
E. Jacobs

S83 Detection of *Mycoplasma pneumoniae* and *Mycoplasma genitalium* in Clinical Samples by Polymerase Chain Reaction
Bertille de Barbeyrac, Cécile Bernet-Poggi, Florence Fébrer, Hélène Renaudin, Michel Dupon, and Christiane Bébéar

S90 Experience with Newer Techniques for the Laboratory Detection of *Mycoplasma pneumoniae* Infection: Adelaide, 1978–1992
B. P. Marmion, J. Williamson, D. A. Worswick, T.-W. Kok, and R. J. Harris

Ureaplasma urealyticum Respiratory Disease in Newborns

S100 *Ureaplasma urealyticum* and Premature Birth
David A. Eschenbach

S107 Perinatal Transmission of *Ureaplasma urealyticum:* Current Concepts Based on Review of the Literature
Pablo J. Sánchez

S112 *Ureaplasma urealyticum* and Chronic Lung Disease of Prematurity: Critical Appraisal of the Literature on Causation
Elaine E. L. Wang, Gail H. Cassell, Pablo J. Sánchez, Joan A. Regan, Nathaniel R. Payne, and Peter P. Liu

S117 New Prospective Studies of the Association of *Ureaplasma urealyticum* Colonization and Chronic Lung Disease
Nathaniel R. Payne, Susan S. Steinberg, Patricia Ackerman, Blair A. Chrenka, Shashikant M. Sane, Katy T. Anderson, and John J. Fangman

S122 Radiographic Changes Associated with Tracheal Isolation of *Ureaplasma urealyticum* from Neonates
D. T. Crouse, G. T. Odrezin, G. R. Cutter, J. M. Reese, W. B. Hamrick, K. B. Waites, and G. H. Cassell

S131 Systemic Neonatal Infection Due to *Ureaplasma urealyticum*
K. B. Waites, D. T. Crouse, and G. H. Cassell

S136 Serological Response to *Ureaplasma urealyticum* in the Neonate
P. A. Quinn, H. C. S. Li, C. Th'ng, M. Dunn, and J. Butany

S144 Leukocyte Counts and Colonization with *Ureaplasma urealyticum* in Preterm Neonates
Arne Ohlsson, Elaine Wang, and Mary Vearncombe

S148 Detection of *Ureaplasma urealyticum* by Polymerase Chain Reaction in the Urogenital Tract of Adults, in Amniotic Fluid, and in the Respiratory Tract of Newborns
A. Blanchard, J. Hentschel, L. Duffy, K. Baldus, and G. H. Cassell

S154 Induction of Human Neonatal Pulmonary Fibroblast Cytokines by Hyperoxia and *Ureaplasma urealyticum*
Bradley B. Stancombe, William F. Walsh, Stephen Derdak, Patricia Dixon, and Donna Hensley

S158 A Primate Model of *Ureaplasma urealyticum* Infection in the Premature Infant with Hyaline Membrane Disease
William F. Walsh, Jeffrey Butler, Jacqueline Coalson, Donna Hensley, Gail H. Cassell, and Robert A. deLemos

Immunologic Parameters of Mycoplasmal Infections

S163 Immunomodulation In Vivo by the *Mycoplasma arthritidis* Superantigen, MAM
Barry C. Cole, Elsayed Ahmed, Barbara A. Araneo, Jane Shelby, Craig Kamerath, Suhua Wei, Shawna McCall, and Curtis L. Atkin

S170 Interaction of *Mycoplasma arthritidis* Superantigen with Human T Cells
David N. Posnett, Andrew S. Hodtsev, Shara Kabak, Steven M. Friedman, Barry C. Cole, and Nina Bhardwaj

S176 Interactions of Mycoplasmas with B Cells: Antibody Production and Nonspecific Effects
Jerry W. Simecka, Suzanne E. Ross, Gail H. Cassell, and Jerry K. Davis

S183 Structural Variations and Phenotypic Switching of Mycoplasmal Antigens
H. L. Watson, X. Zheng, and G. H. Cassell

S187 Mycoplasmal Induction of Cytokine Production and Major Histocompatibility Complex Expression
P. Michael Stuart

Chemotherapy

S192 New Oral Macrolide and Fluoroquinolone Antibiotics: An Overview of Pharmacokinetics, Interactions, and Safety
Keith A. Rodvold and Stephen C. Piscitelli

S200 Susceptibility of Mycoplasmas to Antimicrobial Agents: Clinical Implications
William M. McCormack

S202 Potential Improvements in Therapeutic Options for Mycoplasmal Respiratory Infections
Christiane Bébéar, Michel Dupon, Hélène Renaudin, and Bertille de Barbeyrac

S208 Therapeutic Considerations for *Ureaplasma urealyticum* Infections in Neonates
K. B. Waites, D. T. Crouse, and G. H. Cassell

S215 Effect of pH, Inoculum Size, and Incubation Time on the Susceptibility of *Ureaplasma urealyticum* to Erythromycin In Vitro
George E. Kenny and Frank D. Cartwright

HIV Infection, AIDS, and Mycoplasmal Infection in Immunocompromised Hosts

S219 HIV Infection/AIDS in the United States During the 1990s
Robert J. Biggar and Philip S. Rosenberg

S224 Immunopathogenesis of Human Immunodeficiency Virus Infection
Guido Poli, Giuseppe Pantaleo, and Anthony S. Fauci

S230 Nonhuman Primate Models for AIDS
Patricia N. Fultz

S236 Pathogenesis of Lymphoid Interstitial Pneumonia in Natural and Experimental Ovine Lentivirus Infection
James C. DeMartini, Scott J. Brodie, Andres de la Concha-Bermejillo, John A. Ellis, and Michael D. Lairmore

S243 Extragenital *Mycoplasma hominis* Infections in Adults: Emphasis on Immunosuppression
Richard D. Meyer and Wendy Clough

S250 Unique Susceptibility of Patients with Antibody Deficiency to Mycoplasma Infection
Erwin W. Gelfand

S254 Titers of Antibody to *Mycoplasma* in Sera of Patients Infected with Human Immunodeficiency Virus
Joseph G. Tully, James W.-K. Shih, Richard H.-Y. Wang, David L. Rose, and Shyh-Ching Lo

S259 Adult Respiratory Distress Syndrome with or Without Systemic Disease Associated with Infections Due to *Mycoplasma fermentans*
Shyh-Ching Lo, Douglas J. Wear, Stephen L. Green, Paula G. Jones, and Jacques F. Legier

S264 Identification of Mycoplasmas in Urine from Persons Infected with Human Immunodeficiency Virus
Keith D. Chirgwin, Marinella C. Cummings, Lynette Ross DeMeo, Mary Murphy, and William M. McCormack

S267 The Metabolism of AIDS-Associated Mycoplasmas
J. Dennis Pollack, M. A. Jones, and Marshall V. Williams

S272 Use of the Polymerase Chain Reaction for Detection of *Mycoplasma fermentans* and *Mycoplasma genitalium* in the Urogenital Tract and Amniotic Fluid
A. Blanchard, W. Hamrick, L. Duffy, K. Baldus, and G. H. Cassell

S280 Models of Infection Due to Mycoplasmas, Including *Mycoplasma fermentans*, in the Genital Tract and Other Sites in Mice
D. Taylor-Robinson and P. M. Furr

S283 Fatal Systemic Infections of Nonhuman Primates by *Mycoplasma fermentans* (Incognitus Strain)
Shyh-Ching Lo, Douglas J. Wear, James W.-K. Shih, Richard Y.-H. Wang, Perry B. Newton III, and Jose F. Rodriguez

S289 Cytopathogenicity of *Mycoplasma fermentans* (Including Strain Incognitus)
C. T. K.-H. Stadtländer, H. L. Watson, J. W. Simecka, and G. H. Cassell

S302 *Mycoplasma fermentans*—HeLa Cell Interactions
D. Taylor-Robinson, P. Sarathchandra, and P. M. Furr

S305 *Mycoplasma fermentans* (Incognitus Strain) Cells Are Able to Fuse with T Lymphocytes
D. S. Dimitrov, G. Franzoso, M. Salman, R. Blumenthal, M. Tarshis, M. F. Barile, and S. Rottem

S309 Mycoplasmas as Cofactors in Infection Due to the Human Immunodeficiency Virus
L. Montagnier and A. Blanchard

Volume 17 • Number 2 *August 1993*

State-of-the-Art Clinical Article

153 Molecular Epidemiology: Application of Contemporary Techniques to the Typing of Microorganisms
Joel N. Maslow, Maury Ellis Mulligan, and Robert D. Arbeit

Clinical Infectious Disease Articles

165 Clinical Manifestations of Infection with the Human Immunodeficiency Virus in Women in Louisiana
Rebecca A. Clark, William Brandon, Jeanne Dumestre, and Carol Pindaro

173 Cunninghamella Infections: Review and Report of Two Cases of Cunninghamella Pneumonia in Immunocompromised Children
Alberto Cohen-Abbo, Paula M. Bozeman, and Christian C. Patrick

178 Clindamycin/Primaquine Versus Trimethoprim-Sulfamethoxazole as Primary Therapy for *Pneumocystis carinii* Pneumonia in AIDS: A Randomized, Double-Blind Pilot Trial
Emil Toma, Sylvie Fournier, Marc Dumont, Philippe Bolduc, and Helene Deschamps

185 Flavobacterial Sepsis in Massively Burned Pediatric Patients
Robert L. Sheridan, Colleen M. Ryan, Mark S. Pasternack, Joan M. Weber, and Ronald G. Tompkins

188 Prophylactic Administration of Penicillins for Endocarditis Does Not Reduce the Incidence of Postextraction Bacteremia
Gunnar Hall, Sven Åke Hedström, Anders Heimdahl, and Carl Erik Nord

195 Editorial Response: To Prevent or Not to Prevent Bacterial Endocarditis—That Is the Question!
Lawrence R. Freedman

198 Characterization of the Skeletal Manifestations of the Treponemal Disease Yaws as a Population Phenomenon
Bruce M. Rothschild and Gary M. Heathcote

204 Multifocal Osteoarticular Tuberculosis: Report of Four Cases and Review of Management
Derek Muradali, Wayne L. Gold, Hillar Vellend, and Edna Becker

210 Systemic Sporotrichosis Treated with Itraconazole
Richard E. Winn, Judith Anderson, John Piper, Naomi E. Aronson, and Jerry Pluss

218 High Levels of Tumor Necrosis Factor-α and Interleukin-6 in the Ascitic Fluid of Cirrhotic Patients with Spontaneous Bacterial Peritonitis
Fabrice Zeni, Bernard Tardy, Monique Vindimian, Claude Comtet, Yves Page, Isabelle Cusey, and Jean-Claude Bertrand

224 Increased Risk of Meningitis and Bacteremia Due to *Listeria monocytogenes* in Patients with Human Immunodeficiency Virus Infection
Rafael L. Jurado, Monica M. Farley, Eladio Pereira, R. Christopher Harvey, Anne Schuchat, Jay D. Wenger, and David S. Stephens

228 Molecular Confirmation of Bacillus Calmette-Guérin as the Cause of Pulmonary Infection Following Urinary Tract Instillation
Mar Kristjansson, Phillip Green, Harold L. Manning, Alexander M. Slutsky, Stephen M. Brecher, C. Fordham von Reyn, Robert D. Arbeit, and Joel N. Maslow

231 Evaluation of Therapy with Hyperbaric Oxygen for Experimental Infection with *Clostridium perfringens*
Dennis L. Stevens, Amy E. Bryant, Kenneth Adams, and Jon T. Mader

238 Editorial Response: A Role for Hyperbaric Oxygen in Clostridial Myonecrosis
Stephen Thom

239 Editorial Response: Use of Hyperbaric Oxygen
David Heimbach

241 Leptospirosis in Pregnancy and Its Effect on the Fetus: Case Report and Review
Yechiel Shaked, Ofer Shpilberg, Dvora Samra, and Yecheskel Samra

244 Influenza A in Immunocompromised Patients
Per Ljungman, Jan Andersson, Johan Aschan, Lisbeth Barkholt, Anneka Ehrnst, Mats Johansson, and Ola Weiland

248 Disseminated Bipolaris Infection in an Asthmatic Patient: Case Report
Michele Karim, Hizbullah Sheikh, Mehboob Alam, and Yunus Sheikh

254 Epidemic Meningococcemia and Purpura Fulminans with Induced Protein C Deficiency
Darleen Powars, Robert Larsen, Jeffrey Johnson, Timothy Hulbert, Ted Sun, Mary Jane Patch, Robert Francis, and Linda Chan

Notes

262 Symptomatic Parvovirus B19 Infection of One Fetus in a Twin Pregnancy
M. Zerbini, M. Musiani, G. Gentilomi, S. Venturoli, G. Gallinella, D. Gibellini, R. Morandi, B. Guerra, L. Bovicelli, and M. La Placa

264 Rapid Response of AIDS-Related Bacillary Angiomatosis to Azithromycin
Luis G. Guerra, Carlos J. Neira, Darius Boman, Hoi Ho, Paul R. Casner, Marc Zuckerman, and Abraham Verghese

267 Liver Abscess Due to *Listeria monocytogenes:* Case Report and Review
Todd I. Braun, David Travis, Robert R. Dee, and Roger E. Nieman

270 Hematogenous Endophthalmitis Due to *Candida tropicalis:* Report of Two Cases and Review
Michael Cohen and John Z. Montgomerie

273 *Eikenella corrodens*, a Rare Cause of Pancreatic Abscess: Two Case Reports and Review
Andreas Stein, Nadine Teysseire, Christian Capobianco, Rene Bricot, and Didier Raoult

Historical Article

276 Infectious Diseases at the Boston City Hospital: The First 60 Years
Amalie M. Kass

Correspondence

283 Significance of Hypoglycorrhachia in Patients with AIDS and Cytomegalovirus Meningoencephalitis
Nina Singh, Katherine A. Anderegg, and Victor L. Yu

284 Resistance of *Capnocytophaga* Species to β-Lactam Antibiotics
D. Roscoe and A. Clarke

285 Reply
Syed Bilgrami and Joao L. Ascensao

285 A Cancer Patient with Central Venous Catheter-Related Sepsis Caused by *Tsukamurella paurometabolum* (*Gordona aurantiaca*)
Kwan Kew Lai

287 Association Between Rochalimaea Infection and Cat-Scratch Disease
Jeremy D. Gradon and Daniel S. Stein

287 Reply
William A. Schwartzman

288 Adverse Neurological Reactions in Patients with Multidrug-Resistant Pulmonary Tuberculosis After Coadministration of Cycloserine and Ofloxacin
W. W. Yew, C. F. Wong, P. C. Wong, J. Lee, and C. H. Chau

289 Cranial Epidural Abscess Due to *Mycobacterium tuberculosis* in a Patient Infected with the Human Immunodeficiency Virus
James F. Gettler and Wafaa El-Sadr

290 Bloodstream Infection with *Oligella ureolytica, Candida krusei,* and *Bacteroides* Species in a Patient with AIDS
Farrin A. Manian

291 Infection Due to *Pseudomonas cepacia*
Myron S. Cohen, Michael R. Knowles, and James R. Yankaskas

292 Toxic Shock Syndrome—Menstrual vs. Nonmenstrual
David Eschenbach

292 Reply
Kevin C. Kain, Michael Schulzer, and Anthony W. Chow

293 Evaluation of New Antiinfective Drugs for *Helicobacter pylori* Infection: Revisited and Updated
David Y. Graham and Mae F. Go

294 Reply
Donna Morgan Murray and Herbert L. DuPont

295 Onset of Life-Threatening Ventriculitis During Ceftazidime Therapy for Nosocomial Pneumonia Due to *Enterobacter cloacae*
Gina Land, Jose Salgado, and Richard N. Greenberg

296 Osteomyelitis Due to *Achromobacter xylosoxidans*
Leslie L. Barton and David M. Hoddy

297 Reply
Robert D. Walsh, Natalie C. Klein, and Burke A. Cunha

297 Cryptosporidiosis in Patients with AIDS
Ajay Anand

298 Spontaneous Rupture of the Spleen in a Patient with Legionellosis
P. Saura, J. Vallés, P. Jubert, J. Ormaza, and F. Segura

299 A Case of *Vibrio alginolyticus* Bacteremia and Probable Sphenoiditis Following a Dive in the Sea
Célia M. Lopes, Eduardo M. Rabadão, Conceição Ventura, Saraiva da Cunha, Rui Côrte-Real, and António A. Meliço-Silvestre

301 **Preliminary 1993 IDSA Annual Meeting Program**

311 **Notices**

Instructions to Authors

Volume 17 • Number 3 *September 1993*

State-of-the-Art Clinical Article

313 Infective Endocarditis
Arnold S. Bayer

Clinical Infectious Disease Articles

323 Trimethoprim-Sulfamethoxazole Prophylaxis in Granulocytopenic Patients with Acute Leukemia: Evaluation of Serum Antibiotic Levels in a Randomized, Double-Blind, Placebo-Controlled Department of Veterans Affairs Cooperative Study
T. T. Ward, R. G. Thomas, C. L. Fye, R. Arbeit, C. A. Coltman, Jr., W. Craig, B. W. Dana, S. M. Finegold, J. Lentino, R. L. Penn, J. B. Weinberg, B. Chow, S. Ochi, and Participating Investigators

333 Editorial: Antibacterial Chemoprophylaxis in Neutropenic Patients—Where Do We Go from Here?
Eric J. Bow and Allan R. Ronald

338 Rapid Diagnosis of *Chlamydia psittaci* Pneumonia
David W. Oldach, Charlotte A. Gaydos, Linda M. Mundy, and Thomas C. Quinn

344 Ulcerative and Plaque-Like Tracheobronchitis Due to Infection with *Aspergillus* in Patients with AIDS
Carol A. Kemper, John S. Hostetler, Stephen E. Follansbee, Peter Ruane, DeCarr Covington, Stewart S. Leong, Stanley C. Deresinski, and David A. Stevens

353 Screening for Schistosomiasis, Filariasis, and Strongyloidiasis Among Expatriates Returning from the Tropics
Michael D. Libman, J. Dick MacLean, and Theresa W. Gyorkos

360 Thrombotic Thrombocytopenic Purpura Associated with Human Immunodeficiency Virus Infection: Demonstration of p24 Antigen in Endothelial Cells
Alfonso del Arco, Maria A. Martinez, José M. Peña, Carlos Gamallo, Juan J. González, Francisco J. Barbado, and Juan J. Vazquez

364 Cerebrospinal Fluid Rhinorrhea and Recurrent Meningitis
Dennis G. Pappas, Jr., Paul E. Hammerschlag, and Margaret Hammerschlag

369 Cefepime: The Next Generation?
Christine C. Sanders

380 Widespread Colonization of Personnel at a Veterans Affairs Medical Center by Methicillin-Resistant, Coagulase-Negative *Staphylococcus*
Joseph F. John, Jr., Theodore J. Grieshop, Loretta M. Atkins, and Christel G. Platt

389 Invasive *Haemophilus influenzae* Infections in Older Children and Adults in Seattle
Jay R. Kostman, Betty Lou Sherry, Corinne L. Fligner, Susan Egaas, Paul Sheeran, Leslie Baken, J. Eric Bauwens, Carla Clausen, David M. Sherer, James J. Plorde, Terrence L. Stull, and Paul M. Mendelman

397 Progress in the Diagnosis and Management of Aspergillosis in Bone Marrow Transplantation: 13 Years' Experience
P. H. M. McWhinney, C. C. Kibbler, M. D. Hamon, O. P. Smith, L. Gandhi, L. A. Berger, R. K. Walesby, A. V. Hoffbrand, and H. G. Prentice

405 Antibiotic Treatment of *Yersinia enterocolitica* Septicemia: A Retrospective Review of 43 Cases
Martine Gayraud, Maurice R. Scavizzi, Henri H. Mollaret, Loïc Guillevin, and Michèle J. Hornstein

411 Efficacy of Different Doses of Immune Serum Globulin in the Prevention of Hepatitis A: A Three-Year Prospective Study
Yehuda Lerman, Tamar Shohat, Shai Ashkenazi, Ronit Almog, Samuel L. Heering, and Joshua Shemer

415 Disseminated Microsporidiosis Due to *Encephalitozoon hellem:* Pulmonary Colonization, Microhematuria, and Mild Conjunctivitis in a Patient with AIDS
Rainer Weber, Herbert Kuster, Govinda S. Visvesvara, Ralph T. Bryan, David A. Schwartz, and Ruedi Lüthy

420 An Epidemic of Infections Due to *Chlamydia pneumoniae* in Military Conscripts
Marja-Riitta Ekman, J. Thomas Grayston, Risto Visakorpi, Marjaana Kleemola, Cho-chou Kuo, and Pekka Saikku

426 Fascioliasis: Case Reports and Review
Timothy A. Price, Carmelita U. Tuazon, and Gary L. Simon

431 Gastrointestinal Visceral Motor Complications of Dermatomal Herpes Zoster: Report of Two Cases and Review
David R. Tribble, Preston Church, and James N. Frame

437 Recurring Ventriculitis Due to *Citrobacter diversus:* Clinical and Bacteriologic Analysis
Stephen C. Eppes, Charles R. Woods, Annyce S. Mayer, and Joel D. Klein

441 An Economic Evaluation of Varicella Vaccine for Pediatric Liver and Kidney Transplant Recipients
Ian C. Kitai, Susan King, and Amiram Gafni

448 Virulence Factors and *pap* Genotype in *Escherichia coli* Isolates from Women with Acute Pyelonephritis, with or without Bacteremia
Gisela Otto, Torsten Sandberg, Britt-Inger Marklund, Peter Ulleryd, and Catharina Svanborg

457 Chorioamnionitis Caused by *Capnocytophaga:* Case Report and Review
Jonathan V. Iralu, Drucilla Roberts, and Powel H. Kazanjian

462 Prevalence of Self-Medication with Antibiotics Among Patients Attending a Clinic for Treatment of Sexually Transmitted Diseases
Steven M. Gordon, Debra J. Mosure, Joel Lewis, Stuart Brown, Sally E. McNagny, and George P. Schmid

466 Elimination of *Staphylococcus aureus* Nasal Carriage in Health Care Workers: Analysis of Six Clinical Trials with Calcium Mupirocin Ointment
Bradley N. Doebbeling, Debra L. Breneman, Harold C. Neu, Raza Aly, Bienvenido G. Yangco, H. Preston Holley, Jr., Regina J. Marsh, Michael A. Pfaller, John E. McGowan, Jr., Brian E. Scully, David R. Reagan, Richard P. Wenzel, and the Mupirocin Collaborative Study Group

475 A 9-Year Follow-Up Study of the Immunogenicity and Long-Term Efficacy of Plasma-Derived Hepatitis B Vaccine in High-Risk Chinese Neonates
Ding Lieming, Zhang Mintai, Wang Yinfu, Zhou Shaochon, Kong Weiqin, and Raymond A. Smego, Jr.

480 Intestinal Coinfection with *Enterocytozoon bieneusi* and *Cryptosporidium* in a Human Immunodeficiency Virus–Infected Child with Chronic Diarrhea
Rainer Weber, Bärbel Sauer, Ruedi Lüthy, and David Nadal

484 Typhlitis in Children with Cancer: A 30-Year Experience
M. Melisse Sloas, Patricia M. Flynn, Sue C. Kaste, and Christian C. Patrick

491 Clinical Pharmacokinetics of Continuous Intravenous Administration of Penicillins
L. G. Visser, P. Arnouts, R. van Furth, H. Mattie, and P. J. van den Broek

496 Spread of Methicillin-Resistant *Staphylococcus aureus* in a Hospital After Exposure to a Health Care Worker with Chronic Sinusitis
John M. Boyce, Steven M. Opal, Gail Potter-Bynoe, and Antone A. Medeiros

Notes

505 Nonfatal and Fatal Infections Caused by *Chromobacterium violaceum*
Teow-Yee Ti, Wan Cheng Tan, Angela P. Y. Chong, and Eng Hin Lee

508 *Mycobacterium simiae* Infection in Israeli Patients with AIDS
David Huminer, Shlomo Dux, Zmira Samra, Lea Kaufman, Anita Lavy, Colin S. Block, and Silvio D. Pitlik

Correspondence

510 Malaria in Mogadishu, Somalia
Mark R. Wallace, Trueman W. Sharp, Patrick J. Romajzl, Roger A. Batchelor, Scott A. Thornton, Charles F. Longer, and James P. Burans

511 Clinical Value of Blood Cultures for Detection of *Toxoplasma gondii* in Human Immunodeficiency Virus–Seropositive Patients with and without Cerebral Lesions on Computerized Tomography
Victor Asensi, José A. Carton, José A. Maradona, Maria Oña, and José M. Arribas

512 CDC Group IV c-2 as a Cause of Catheter-Related Sepsis in an Immunocompromised Patient
Sonia Arduino, Hugo Villar, Maria Teresa Veron, Benjamin Koziner, and Miguel Dictar

513 Combination Antibiotic Treatment with Clarithromycin for Human Immunodeficiency Virus–Associated *Rhodococcus equi* Infection
Gilles Pialoux, Fred Goldstein, Bertrand Dupont, Gustavo Gonzalez Canali, and Philippe Sansonetti

514 Liver Abscess Due to *Corynebacterium jeikeium* in a Patient with AIDS
Glenn S. Turett, Barkat A. Fazal, Barbara E. Johnston, and Edward E. Telzak

515 Pubic Osteomyelitis Due to *Pseudomonas aeruginosa*
Julio de Miguel, Julio Collazos, Rafael Ayarza, José Maria Abaitua, and Javier Quilez

516 Necrotizing Fasciitis, Bacteremia, and Multiorgan Failure Caused by *Ochrobactrum anthropi*
François Brivet, Michèle Guibert, Martine Kiredjian, and Jean Dormont

518 Unsuccessful Treatment of *Legionella pneumophila* Infection with a Fluoroquinolone
J.-M. Salord, P. Matsiota-Bernard, F. Staïkowsky, M. Kirstetter, J. Frottier, and C. Nauciel

519 CSF Shunt Infection by Unencapsulated *Haemophilus influenzae*
Gary W. K. Wong, Stephen J. Oppenheimer, and Wendy Vaudry

520 Septic Arthritis Due to a Nontoxigenic Strain of *Corynebacterium diphtheriae* subspecies *mitis*
V. Barakett, G. Morel, D. Lesage, and J. C. Petit

521 Neopterin Levels During Acute Rubella in Children
Daniela Zaknun, Günter Weiss, Josef Glatzl, Helmut Wachter, and Dietmar Fuchs

522 Cytomegalovirus Ventriculoencephalitis with Cranial Radiculitis in Patients with AIDS: A Distinct Clinical Entity
Robert A. Bonomo and Robert Kalayjian

523 Acute Lyme Disease in an American Tourist Returning from Germany
Grant L. Campbell, David T. Dennis, Thomas J. Quan, and Rudolph J. Scrimenti

524 Catheter-Related Endocarditis Due to Glycopeptide-Resistant *Enterococcus faecalis* in a Transplanted Heart
Mario Venditti, Francesca Biavasco, Pietro E. Varaldo, Arnaldo Macchiarelli, Luciano De Biase, Benedetto Marino, and Pietro Serra

525 Iatrogenic Meningitis Due to *Streptococcus salivarius* Following a Spinal Tap
Enrique Torres, David Alba, Ana Frank, and Exuperio Díez-Tejedor

526 Reiter's Syndrome After Administration of Intravesical Bacille Calmette-Guérin
Santiago Faus, Joaquin Martinez Montauti, and Luis Puig

527 *Streptococcus bovis* Meningitis: No Association with Colonic Malignancy
Francisco Coret Ferrer, Juan Jesus Vilchez Padilla, Rafael Igual Adell, and Josefa Ferrando Ginestar

529 **Notices**

530 **Table of Contents: Abstracts of the 1993 Annual IDSA Meeting**

531 **Abstracts of the 1993 IDSA Annual Meeting**

582 **Author Index: Abstracts of the 1993 Annual IDSA Meeting**

589 **Subject Index: Abstracts of the 1993 Annual IDSA Meeting**

601 **Statement of Editorial Policy**

Instructions to Authors

Volume 17 • Number 4 *October 1993*

State-of-the-Art Clinical Article

603 New Perspectives on Bacterial Meningitis
Vincent J. Quagliarello and W. Michael Scheld

611 **Photo Quiz**

AIDS Commentary

612 Bacillary Angiomatosis and Bacillary Peliosis in Patients Infected with Human Immunodeficiency Virus
Jane E. Koehler and Jordan W. Tappero

Clinical Infectious Disease Articles

625 Successful Treatment of Antimony-Resistant Visceral Leishmaniasis with Liposomal Amphotericin B in Patients Infected with Human Immunodeficiency Virus
Julian Torre-Cisneros, Jose Luis Villanueva, Jose Maria Kindelan, Rafael Jurado, and Pedro Sanchez-Guijo

628 Postexposure Administration of Halofantrine for the Prevention of Malaria
G. D. Shanks, M. D. Edstein, R. K. Kereu, P. E. Spicer, and K. H. Rieckmann

632 Vascular Catheter–Related Bloodstream Infection Due to *Acinetobacter johnsonii* (Formerly *Acinetobacter calcoaceticus* var. *lwoffii*): Report of 13 Cases
H. Seifert, A. Strate, A. Schulze, and G. Pulverer

637 Trichinosis: A Prospective Controlled Study of Patients Ten Years After Acute Infection
G. Harms, P. Binz, H. Feldmeier, K. Zwingenberger, D. Schleehauf, W. Dewes, I. Kress-Hermesdorf, C. Klindworth, and U. Bienzle

644 Cytomegalovirus Disease of the Gastrointestinal Tract in Patients Without AIDS
Frederick S. Buckner and Claire Pomeroy

657 Diagnosis of Enterovirus Brain Disease in Hypogammaglobulinemic Patients by Polymerase Chain Reaction
A. D. B. Webster, H. A. Rotbart, T. Warner, P. Rudge, and N. Hyman

662 Candidemia from a Urinary Tract Source: Microbiological Aspects and Clinical Significance
B. S. P. Ang, A. Telenti, B. King, J. M. Steckelberg, and W. R. Wilson

667 Complications of Bacteremia Due to *Stomatococcus mucilaginosus* in Neutropenic Children
Scott Henwick, Maria Koehler, and Christian C. Patrick

672 Infection Due to *Clostridium difficile* Among Elderly Residents of a Long-Term-Care Facility
Andrew E. Simor, Susan L. Yake, and Kelly Tsimidis

679 Infections of Implantable Cardioverter Defibrillators: Approach to Management
Kelly A. Spratt, Emily A. Blumberg, Craig A. Wood, Steven P. Kutalek, and Annette C. Reboli

686 Endophthalmitis Caused by Unusual Gram-Negative Bacilli: Three Case Reports and Review
Mary E. Schmidt, Margo A. Smith, and Charles S. Levy

691 *Loa loa* Infection as a Cause of Migratory Angioedema: Report of Three Cases from the Texas Medical Center
Robert M. Rakita, A. Clinton White, Jr., and Marcia A. Kielhofner

695 Postoperative Pubic Osteomyelitis Misdiagnosed as Osteitis Pubis: Report of Four Cases and Review
Daniel J. Sexton, Linda Heskestad, William R. Lambeth, Rex McCallum, L. Scott Levin, and G. Ralph Corey

701 Breast Abscess: Coagulase-Negative Staphylococcus as a Sole Pathogen
Salim Surani, Harish Chandna, and Robert A. Weinstein

705 Role of Granulocyte-Macrophage Colony-Stimulating Factor as Adjuvant Therapy for Fungal Infection in Patients with Cancer
Gerald P. Bodey, Elias Anaissie, Jordan Gutterman, and Saroj Vadhan-Raj

708 Different Genospecies of *Borrelia burgdorferi* Are Associated with Distinct Clinical Manifestations of Lyme Borreliosis
Alje P. van Dam, Herman Kuiper, Koen Vos, Anneke Widjojokusumo, Bartelt M. de Jongh, Lodewijk Spanjaard, Anton C. P. Ramselaar, Michael D. Kramer, and Jacob Dankert

718 Detection of *Chlamydia pneumoniae* by Polymerase Chain Reaction–Enzyme Immunoassay in an Immunocompromised Population
C. A. Gaydos, C. L. Fowler, V. J. Gill, J. J. Eiden, and T. C. Quinn

724 *Mycoplasma penetrans* Infection in Male Homosexuals with AIDS: High Seroprevalence and Association with Kaposi's Sarcoma
Richard Yuan-Hu Wang, James Wai-Kuo Shih, Stanley H. Weiss, Teresa Grandinetti, Phillip F. Pierce, Michael Lange, Harvey J. Alter, Douglas J. Wear, Christine L. Davies, Raghavan K. Mayur, and Shyh-Ching Lo

Review Articles

730 Therapy for Neurocysticercosis: A Reappraisal
Oscar H. Del Brutto, Julio Sotelo, and Gustavo C. Roman

736 Cryptococcal Peritonitis: Report of a Case Developing During Continuous Ambulatory Peritoneal Dialysis and Review of the Literature
Amos M. Yinnon, Anthony Solages, and John J. Treanor

742 Infections Associated with the Genus *Edwardsiella:* the Role of *Edwardsiella tarda* in Human Disease
J. Michael Janda and Sharon L. Abbott

749 Immune-Based Therapeutics: Scientific Rationale and the Promising Approaches to the Treatment of the Human Immunodeficiency Virus–Infected Individual
Daniel S. Stein, Joseph G. Timpone, Jeremy D. Gradon, Jonathan M. Kagan, and Steven M. Schnittman

Notes

772 *Rothia dentocariosa* Endocarditis Complicated by Perivalvular Abscess
Elizabeth J. Sudduth, John D. Rozich, and W. Edmund Farrar

776 Cutaneous Cryptococcosis in a Patient with Cutaneous T Cell Lymphoma Receiving Therapy with Photopheresis and Methotrexate
Thomas R. Frieden, Frank J. Bia, Peter W. Heald, Richard N. Eisen, Thomas F. Patterson, and Richard L. Edelson

779 Short-Term Treatment of Traveler's Diarrhea with Norfloxacin: A Double-Blind, Placebo-Controlled Study During Two Seasons
Leena Mattila, Heikki Peltola, Anja Siitonen, Hannu Kyrönseppä, Ilpo Simula, and Matti Kataja

783 Persistent Bacteremia with *Erysipelothrix rhusiopathiae* in a Hospitalized Patient
Mindy G. Schuster, Patrick J. Brennan, and Paul Edelstein

785 Meningoencephalitis and Polyradiculoneuritis in Adults: Don't Forget Rubella
Jose M. Aguado, Ignacio Posada, Manuel Gonzalez, Manuel Lizasoain, Carlos Lumbreras, Alfonso R. Vallejo, and Antonio R. Noriega

European Guidelines for Anti-Infective Drug Products

787 Introduction
Thomas R. Beam, Jr., David N. Gilbert, and Calvin M. Kunin

789 Evaluation of New Anti-Infective Drugs for the Treatment of Vascular Access Device–Associated Bacteremia and Fungemia
Timothy R. Franson, Oto Zak, Peterhans van den Broek, and the European Working Party of the European Society of Clinical Microbiology and Infectious Diseases

794 Evaluation of New Anti-Infective Drugs for the Treatment of Infection with Human Immunodeficiency Virus
S. Ragnar Norrby, Richard J. Whitley, and the European Working Party of the European Society of Clinical Microbiology and Infectious Diseases

802 Appendix: 1993 Revised Classification System for HIV Infection and Expanded Surveillance Case Definition for AIDS Among Adolescents and Adults
Kenneth G. Castro, John W. Ward, Laurence Slutsker, James W. Buehler, Harold W. Jaffe, Ruth L. Berkelman, and James W. Curran

Correspondence

811 Falciparum Malaria During Pregnancy: Resolution Without Therapy
Kerry Gott and Joel Ruskin

812 Bladder Irrigation with Amphotericin B for Treatment of Patients with Candiduria
Donna J. Occhipinti, Lori L. Schoonover, and Larry H. Danziger

813 Reply
Jay P. Sanford

814 Should All Catheterized Patients with Candiduria Be Treated?
James R. Johnson

814 Reply
Jay P. Sanford

815 Spontaneous Bacterial Peritonitis Due to *Corynebacterium xerosis*
Theresa E. Vettese and Charles P. Craig

815 *Campylobacter* Species: Identification and Resistance to Quinolones
F. Navarro, E. Miró, I. Fuentes, and B. Mirelis

816 Listerial Brain Abscess in a Patient with Chronic Lymphocytic Leukemia Treated with Fludarabine
Kerry O. Cleveland and Michael S. Gelfand

817 Amphotericin B–Induced Malignant Hypertension
Molly K. N. Omizo, Richard E. Bryant, and Mark O. Loveless

818 Septicemia Due to β-Lactamase-Positive *Kingella kingae*
Emilia Mia Sordillo, Michael Rendel, Rama Sood, Juliette Belinfanti, Odessa Murray, and Daniel Brook

820 Fulminant Community-Acquired Acinetobacter Pneumonia in a Healthy Woman
Joseph A. Bick and Jeffery D. Semel

821 *Chlamydia psittaci* as a Cause of Lethal Bacterial Endocarditis
I. Lamaury, A. Sotto, A. Le Quellec, C. Perez, B. Boussagol, and A. J. Ciurana

823 **Notices**

825 **IDSA Membership Application**

829 **Answers to Photo Quiz**

Instructions to Authors

Volume 17 • Supplement 2 *November 1993*

CONTROVERSIES IN THE MANAGEMENT OF INFECTIONS IN IMMUNOCOMPROMISED PATIENTS

vii Participants

S317 Controversies in the Management of Infections in Immunocompromised Patients: Introduction
Arthur E. Brown and Mary H. White

S318 History of Opportunistic Infection in the Immunocompromised Host
Donald Armstrong

S322 The Changing Epidemiology of Infections at Cancer Hospitals
Brian S. Koll and Arthur E. Brown

Reports from Around the World

S329 AIDS in the Developing World: An Epidemiologic Overview
Seth Berkley

S337 AIDS in the Republic of China, 1992
Che-Yen Chuang, Po-Ya Chang, and Ko-Chow Lin

S341 AIDS in Haiti: 1982–1992
Jean Pape and Warren D. Johnson, Jr.

S346 Use and Misuse of Antibiotics in Latin America
Marcelo J. Wolff

S352 Overview of Reports from Around the World
Donald B. Louria and Cynthia Sears

Prevention of Infections in the Immunocompromised Patient

S355 Prevention of Infections in Patients with Neoplastic Disease: Use of a Historical Model for Developmental Strategies
Mary H. White

S359 Prevention of Infections in the Neutropenic Patient
Jan Verhoef

S368 Prevention of Infections in Patients with T Cell Defects
Walter T. Hughes

S372 Prevention of Infection in Patients with B Cell Defects: Focus on Intravenous Immunoglobulin
P. L. Yap

S376 Overview of Prevention of Infections in the Immunocompromised Patient
Peter D. Walzer and Estella Whimbey

Patients with Neutropenia: Old and New Treatment Modalities

S378 Empirical Antibiotic Therapy for Fever in Neutropenic Patients
Gerald P. Bodey

S385 Perspectives on the Use of Cytokines in the Management of Infectious Complications of Cancer
Emmanuel Roilides and Philip A. Pizzo

S390 Overview of Patients with Neutropenia: Old and New Treatment Modalities
Richard D. Meyer and Carol Singer

Patients with T Cell Defects: Part 1

S392 Prevention and Treatment of Cytomegalovirus Pneumonia in Transplant Recipients
John A. Zaia

S400 Human Retroviruses and Neoplastic Disease
Mark H. Kaplan

S407 Cytokines as Antimicrobial Therapy for the T Cell–Deficient Patient: Prospects for Treatment of Nonviral Opportunistic Infections
Henry W. Murray

S414 Overview of Patients with T Cell Defects: Part 1
Jonathan W. M. Gold, Edward E. Telzak, and Donald Armstrong

Patients with T Cell Defects: Part 2

S416 *Pneumocystis carinii* Pneumonia in Patients Without AIDS
Kent A. Sepkowitz

S423 Toxoplasmosis in Patients with Cancer
Dennis M. Israelski and Jack S. Remington

S436 Mycobacterial Diseases and the Compromised Host
Lowell S. Young

S442 Drug-Resistant Tuberculosis
Lee W. Riley

S447 The Diagnostic Mycobacteriology Laboratory of the 1990s
Timothy E. Kiehn

S455 Overview of Patients with T Cell Defects: Part 2
Rosemary Soave, Sheldon T. Brown, and Edward Bernard

Management of Fungal Infections: Part 1

S457 Severe Candidal Infections in Neutropenic Patients
Jonathan N. Swerdloff, Scott G. Filler, and John E. Edwards, Jr.

S468 Prevention of Invasive Fungal Infections in Patients with Neoplastic Diseases
Thomas J. Walsh and James W. Lee

S481 Infections with *Aspergillus* Species
Vincent T. Andriole

S487 Emerging Fungal Pathogens in Immunocompromised Patients: Classification, Diagnosis, and Management
Shahe E. Vartivarian, Elias J. Anaissie, and Gerald P. Bodey

S492 Overview of Management of Fungal Infections: Part 1
Françoise Meunier and Brian Wong

Management of Fungal Infections: Part 2

S494 Antifungal Susceptibility Testing of Yeasts: A Brief Overview
Daniel J. Sheehan, Ana Espinel-Ingroff, Lynn Steele Moore, and C. Douglas Webb

S501 New Methods of Delivery of Amphotericin B
Heinz-J. Schmitt

S507 Management of Cryptococcosis
William E. Dismukes

S513 Overview of Management of Fungal Infections: Part 2
John R. Graybill

Management of Sepsis

S515 Therapy with Antibody to Tumor Necrosis Factor in Sepsis
James E. Pennington

S520 The Economic Impact and Cost-Effectiveness of Monoclonal Antibody Therapy for Sepsis
Donald B. Chalfin and Alan M. Fein

S525 Overview of the Management of Sepsis
Herman Chmel

Management of Other Infections

S527 Emerging Antimicrobial Resistance and the Immunocompromised Host
D. M. Shlaes, B. Binczewski, and L. B. Rice

S537 Adjunctive Therapy for Bacterial Meningitis: Rationale for Use, Current Status, and Prospects for the Future
Gregory C. Townsend and W. Michael Scheld

S550 Overview of the Management of Other Infections
Gerald L. Mandell

Volume 17 • Number 5 *November 1993*

State-of-the-Art Clinical Article

831 Instituting Health Care Reform and Preserving Quality: Role of the Hospital Epidemiologist
Richard P. Wenzel

AIDS Commentary

837 Cryptococcal Meningitis and AIDS
William G. Powderly

Clinical Infectious Disease Articles

843 Nosocomial Acinetobacter Meningitis Secondary to Invasive Procedures: Report of 25 Cases and Review
Y. Siegman-Igra, S. Bar-Yosef, A. Gorea, and J. Avram

850 Fatal Israeli Spotted Fever in Children
Pablo Yagupsky and Baruch Wolach

854 Cytomegalovirus Polyradiculopathy Caused by a Ganciclovir-Resistant Strain
Jason I. N. Tokumoto and Harry Hollander

857 Treatment of Brain Abscess with Cefotaxime and Metronidazole: Prospective Study on 15 Consecutive Patients
Jan Sjölin, Anders Lilja, Nils Eriksson, Per Arneborn, and Otto Cars

864 Group II Phospholipase A_2 in Sera of Febrile Patients with Microbiologically or Clinically Documented Infections
Esa M. Rintala and Timo J. Nevalainen

871 Endocarditis Due to *Staphylococcus lugdunensis:* Report of 11 Cases and Review
François Vandenesch, Jerome Etienne, Marie Elisabeth Reverdy, and Susannah J. Eykyn

877 Infections Caused by *Pseudomonas pickettii* in Association with Permanent Indwelling Intravenous Devices: Four Cases and a Review
D. Raveh, A. Simhon, Z. Gimmon, T. Sacks, and M. Shapiro

881 Invasive Infection Due to *Apophysomyces elegans* in Immunocompetent Hosts
Winkler G. Weinberg, Barbara H. Wade, George Cierny III, David Stacy, and Michael G. Rinaldi

Notes

885 A Case of Hyperdynamic Shock Caused by Trimethoprim-Sulfamethoxazole in Which No Tumor Necrosis Factor or Features of Anaphylaxis Were Detected
Bach-Yen Nguyen, Dante L. Landucci, Robert E. Cunnion, Robert Yarchoan, and Robert E. Walker

888 Failure of Therapy with Fluconazole for Candidal Endophthalmitis
Jim Nomura and Joel Ruskin

890 Non-Urinary Tract Infections Caused by Multiply Antibiotic-Resistant *Corynebacterium urealyticum*
Francisco Soriano, Carmen Ponte, Paloma Ruiz, and Javier Zapardiel

892 *Propionibacterium propionicum* and Infections of the Lacrimal Apparatus
Jon S. Brazier and Val Hall

894 Epidemiology and Etiology of Pneumonia in Children in Hong Kong
R. Y. T. Sung, A. F. B. Cheng, R. C. K. Chan, J. S. Tam, and S. J. Oppenheimer

897 Recent Trends in the Epidemiology of *Shigella* Species in Israel
Shai Ashkenazi, Meir May-Zahav, Gabriel Dinari, Uri Gabbay, Rela Zilberberg, and Zmira Samra

900 Efficacy of Ivermectin in the Treatment of Strongyloidiasis Complicating AIDS
Jaime R. Torres, Raul Isturiz, Jorge Murillo, Manuel Guzman, and Rosa Contreras

903 Persistent Infection with *Ehrlichia chaffeensis*
J. Stephen Dumler, William L. Sutker, and David H. Walker

906 Invasive Aspergillosis in Liver Transplant Recipients: Association with Candidemia and Consumption Coagulopathy and Failure of Prophylaxis with Low-Dose Amphotericin B
Nina Singh, Luis Mieles, Victor L. Yu, and Timothy Gayowski

International Report

909 Human Intestinal Capillariasis in an Area of Nonendemicity: Case Report and Review
Fernando Dronda, Fernando Chaves, Alejandro Sanz, and Rogelio Lopez-Velez

Historical Article

913 A Brief History of the Pneumococcus in Biomedical Research: A Panoply of Scientific Discovery
David A. Watson, Daniel M. Musher, James W. Jacobson, and Jan Verhoef

In Memoriam

925 Eulogy for Charles E. Cherubin
Charles W. Stratton

Correspondence

926 Pneumonia Due to *Chlamydia pneumoniae* Strain TWAR
T. G. Wreghitt

926 Reply
J. Thomas Grayston

927 Thrombocytopenia Due to Use of Teicoplanin
María J. Terol, Jorge Sierra, José M. Gatell, and Ciril Rozman

928 Varicella Lesions and Woronoff's Ring
Neal S. Penneys

928 Reply
Joel D. Klein

928 Multiple Sclerosis and Hepatitis B Vaccination
Jeffrey P. Nadler

929 Cellulitis Associated with Bacteremia Due to *Flavobacterium meningosepticum*
Elfatih I. M. Abter, Larry I. Lutwick, Margaret J. Torrey, and Robert Mann

930 Three Cases of Fatal Infection Due to *Fusarium solani* in Patients with Cancer
J. Mardiak, A. Danišovičová, J. Trupl, J. Sloboda, Z. Jesenská, and V. Krčméry, Jr.

932 A Case of Meningitis Due to "*Streptococcus zooepidemicus*"
Miguel Latorre, Mikel Alvarez, Jose Manuel Fernández, Pilar Berdonces, Adelina Llanos, and Ramón Cisterna

933 Cervicofacial Nocardiosis Caused by *Nocardia brasiliensis* in an Adult
Gordon L. Love, Pierre Dejace, and Christopher Arcement

934 Nosocomial Infection of a Pancreatic Pseudocyst Due to *Corynebacterium xerosis*
Craig A. Wood

936 Malaria in Splenectomized Patients
Emil Toma

936 Reply
S. Looareesuwan, P. Suntharasamai, H. K. Webster, and May Ho

937 Management of Respiratory Diphtheria
A. Mofredj and J. M. Guerin

938 Reply
Karen M. Farizo, Robert T. Chen, Stephen L. Cochi, and Peter M. Strebel

939 Pyogenic Abscess of the Gluteal Muscle Due to *Streptococcus pneumoniae*
Willy E. Peetermans, Bertien Buyse, and Johan Vanhoof

940 Azathioprine Hypersensitivity Mimicking Sepsis in a Patient with Crohn's Disease
Byron E. Wilson and Julie Parsonnet

941 Herpes Simplex Virus Type 2 DNA in Cerebrospinal Fluid of a Woman with Recurrent Meningitis
O. Lortholary, F. Rozenberg, C. Perronne, S. Djebbour, C. Leport, and J. L. Vilde

942 Training in Invasive Procedures for Infectious Diseases Specialists
George J. Fuchs

943 Necrotizing Retinitis and Cerebral Vasculitis Due to Varicella-Zoster Virus in Patients Infected with the Human Immunodeficiency Virus
F. Rousseau, C. Perronne, G. Raguin, D. Thouvenot, A. Vidal, C. Leport, and J. L. Vilde

944 Don't Forget *Leishmania*!
Africa Sendino, F. Javier Barbado, and Juán J. Vázquez-Rodríguez

945 Reply
John G. Bartlett, Peter L. Belitsos, and Cynthia L. Sears

945 Prosthetic Valve Endocarditis Due to *Rothia dentocariosa*
Mark D. Anderson, Charles A. Kennedy, Timothy P. Walsh, and William A. Bowler

947 Variation in Physicians' Recording of Human Immunodeficiency Virus–Associated Risk Behavior Among Socioeconomically Diverse Populations
Janet S. Kinney, Sharon A. Riddler, John D. Yeast, and Mary Anne Jackson

948 Localized Cutaneous *Rhizopus* Presenting as an Anesthetic Rash in a Patient Infected with Human Immunodeficiency Virus
Thomas A. Hackenberg and Thomas G. Evans

949 Postoperative Pancreatic Abscess Due to *Haemophilus influenzae*
Douglas Purdy, Nancy Khardori, Farouk Abbas, and Romesh Khardori

951 Breast Abscess Due to *Salmonella* Serogroup B, Serotype Reading, in a Young Nonpuerperal Woman
Howard Edelstein

952 Pancreatitis Occurring During Therapy with Stibogluconate: Two Case Reports
Anne E. McCarthy, Jay S. Keystone, and Kevin C. Kain

953 Goiter as a Manifestation of Disseminated Aspergillosis in a Patient with AIDS
Juan C. Martínez-Ocaña, Joan Romeu, Mariona Llatjós, Guillem Sirera, and Bonaventura Clotet

954 Septic Shock Due to *Yersinia enterocolitica* After Autologous Transfusion
J. M. Sire, C. Michelet, R. Mesnard, R. Tardivel, J. Minet, H. Bracq, and J. L. Avril

955 Cutaneous Infection Due to *Aspergillus* Species After Transthoracic Lung Biopsy
Ellis H. Tobin, Fred Westenfeld, and Peter A. Dietrich

957 **Notices**

957 **Erratum**

958 **Statement of Editorial Policy**

Instructions to Authors

Volume 17 • Number 6 *December 1993*

State-of-the-Art Clinical Article

961 Intraabdominal Infections
Sherwood L. Gorbach

Tuberculosis Commentary

968 The Tuberculin Skin Test
Robin E. Huebner, Maybelle F. Schein, and John B. Bass, Jr.

Clinical Infectious Disease Articles

976 Tularemia: Treatment Failures with Outpatient Use of Ceftriaxone
J. Thomas Cross and Richard F. Jacobs

981 Treatment of Brazilian Kala-Azar with a Short Course of Amphocil (Amphotericin B Cholesterol Dispersion)
R. Dietze, E. P. Milan, J. D. Berman, M. Grogl, A. Falqueto, T. F. Feitosa, K. G. Luz, F. A. B. Suassuna, L. A. C. Marinho, and G. Ksionski

987 Tuberculous Meningitis: A 30-Year Review
Stephen J. Kent, Suzanne M. Crowe, Allen Yung, C. Ron Lucas, and Anne M. Mijch

995 Meningitis Due to Parainfluenza Virus Type 3: Report of Two Cases and Review
Emin Sami Arisoy, Gail J. Demmler, Sneha Thakar, and Cynthia Doerr

998 Infections Due to Parainfluenza Virus Type 4 in Children
Earl E. Rubin, Patrick Quennec, and Jane C. McDonald

1003 Transmission of Human Immunodeficiency Virus Presumed to Have Occurred via Female Homosexual Contact
Josiah D. Rich, Arlene Buck, Ruth E. Tuomala, and Powel H. Kazanjian

1006 Bacteremia Due to *Enterococcus avium*
Robin Patel, Michael R. Keating, Franklin R. Cockerill III, and James M. Steckelberg

1012 Effect of Immunosuppressive Therapy on the Clinical Presentation and Outcome of Tuberculosis
Kirsi Skogberg, Petri Ruutu, Pentti Tukiainen, and Ville Valtonen

1018 Fluconazole-Resistant *Candida albicans*
Daniel J. Boken, Susan Swindells, and Michael G. Rinaldi

1022 Effectiveness of an Oral Triazole for Opportunistic Mold Infections in Patients with Cancer: Experience with SCH 39304
Elias J. Anaissie, Dimitrios P. Kontoyiannis, Shahe Vartivarian, Hagop M. Kantarjian, Susan O'Brien, Sergio A. Giralt, Borge S. Andersson, Cynthia Karl, Richard E. Champlin, and Gerald P. Bodey

1032 Extraosseous Epidural Tuberculoma: Case Report and Review
Chris S. Mantzoros, Patricia D. Brown, and Louise Dembry

1037 Thrombotic Microangiopathy Associated with *Streptococcus pneumoniae* Bacteremia: Case Report and Review
Kathryn A. Myers and Thomas J. Marrie

1041 Maternal/Congenital Syphilis in a Large Tertiary-Care Urban Hospital
Milagros P. Reyes, Nancy Hunt, Enrique M. Ostrea, Jr., and Deborah George

Review Article

1047 A Decade of Experience with Selective Decontamination of the Digestive Tract as Prophylaxis for Infections in Patients in the Intensive Care Unit: What Have We Learned?
Jan Verhoef, Elizabeth A. E. Verhage, and Maarten R. Visser

1055 Editorial Response to A Decade of Experience with Selective Decontamination of the Digestive Tract as Prophylaxis for Infections in Patients in the Intensive Care Unit: What Have We Learned?
Carol L. Wells

Notes

1058 Meningitis Due to *Aeromonas* Species: Case Report and Review
F. Parras, M. D. Díaz, J. Reina, S. Moreno, C. Guerrero, and E. Bouza

1061 Colonoscopy-Associated Listeriosis: Report of a Case
G. J. Sheehan and J. C. T. Galbraith

1063 Rhabdomyolysis Associated with Bacteremia Due to *Streptococcus pneumoniae*: Case Report and Review
V. Spataro and C. Marone

Correspondence

1065 Respiratory Syncytial Virus Infection in an Adult with AIDS
Shiranee Sriskandan and Sunil Shaunak

1066 Reinfection with Coccidioidomycosis
David Salkin and Armia Said

1066 Nosocomial Funguria: Resultant Morbidity and Therapeutic Intervention
Annie Wong-Beringer, Richard A. Jacobs, and B. Joseph Guglielmo

1067 The Culprit: Grizzly Bear or Plastic Surgeon?
Thomas G. Evans and Susan J. Burgert

1068 Misidentification of *Brucella* Species with Use of Rapid Bacterial Identification Systems
William B. Barham, Preston Church, John E. Brown, and Scott Paparello

1069 *Oligella urethralis* Urosepsis
Andrew Pugliese, Bernadino Pacris, Paul E. Schoch, and Burke A. Cunha

1070 Use of Paromomycin for the Treatment of Cryptosporidiosis in Patients with AIDS
Mark R. Wallace, Minh-Thu Nguyen, and James A. Newton, Jr.

1071 Pulmonary Abscess Associated with *Alcaligenes xylosoxidans* in a Patient with AIDS
Jeremy D. Gradon, Andrew R. Mayrer, and Joanne Hayes

1072 *Corynebacterium diphtheriae* Endocarditis in France
Olivier Lortholary, Annie Buu-Hoï, Laurent Gutmann, and Jacques Acar

1074 Absence of Antibody to *Mycoplasma fermentans* in Patients with Chronic Fatigue Syndrome
Anthony L. Komaroff, David S. Bell, Paul R. Cheney, and Shyh-Ching Lo

1075 Zoonotic Transmission of Sporotrichosis
Jerry D. Smilack

1076 Foscarnet-Induced Penile Ulcer in an Uncircumcised Patient with AIDS
Alexander S. Gross and Robin H. Dretler

1077 Recurrent Cervical and Submandibular Lymphadenitis Due to *Actinobacillus actinomycetemcomitans*
Ole Hammerberg, Daniel B. Gregson, Darryl Gopaul, and Howard Lampe

1078 Antimicrobial Resistance Among *Haemophilus influenzae* Isolates
Barry C. Fox and Diana Biggs

1079 Renal Involvement in Association with Postvaccination Varicella
Jay J. Pillai, William J. Gaughan, Barbara Watson, Jocelyn J. Sivalingam, and Sheila A. Murphey

1080 Taxonomy of the Human Papillomaviruses
William Bonnez

1080 Increased Resistance to Cefoxitin and Cefotetan Among *Bacteroides fragilis* Isolates from Abdominal Sources in Patients Undergoing Surgery
N. Joel Ehrenkranz and Blanca Alfonso

1082 Isolation of Multiple Viruses from the Cerebrospinal Fluid
G. D. Hsiung

1082 Wound Infection Due to *Aeromonas sobria*
James A. Newton, Jr., and Charles A. Kennedy

1083 *Mycobacterium avium* Complex: An Unusual Cause of Peritonitis in Patients Undergoing Continuous Ambulatory Peritoneal Dialysis
Carl A. Perlino

1084 Pneumonia and Meningitis Due to *Nocardia asteroides* in a Patient with AIDS
Payman Khorrami and Edwin J. Heffeman

Book Reviews

1086 PCR In Situ Hybridization: Protocols and Applications
By Gerard J. Nuovo
Reviewed by Jeffery F. Miller

1086 Pediatric Sinusitis
Edited by Rodney P. Lusk
Reviewed by Howard Faden

1087 Membrane Interactions of HIV: Implications for Pathogenesis and Therapy in AIDS
Edited by Roland C. Aloia and Cyril C. Curtain
Reviewed by Eric S. Daar

1088 AIDS and Other Manifestations of HIV Infection
Edited by Gary P. Wormser
Reviewed by William A. O'Brien

1089 **Notices**

1089 **Errata**

1090 **Instructions to Authors**

1092 **Reviewers for Volume 17**

1095 **Author Index to Volume 17**

1100 **Subject Index to Volume 17**

1123 **Tables of Contents for Volume 17**